

Refine Search

Search Results -

Terms	Documents
dock\$3 same (port near10 (media or medium or disk or disc))	203

Database:

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- JPO Abstracts Database
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DATE: Tuesday, January 25, 2005    [Printable Copy](#)    [Create Case](#)

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result set

*DB=PGPB,USPT,USOC; PLUR=YES; OP=OR*

<u>L1</u>	dock\$3 same (port near10 (media or medium or disk or disc))	203	<u>L1</u>
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L2    L1

0    L2

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L1    dock\$3 same (port near10 (media or medium or disk or disc))

203    L1

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### Search Results -

Terms	Documents
(398/118  398/140  370/400  370/402  370/902  370/907  370/813  370/913  709/227  709/249  709/223  709/236  710/1  710/104  710/105  710/303  710/304  710/100  710/62  710/72).ccls.	13268

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DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

L3   710/1,104,105,303,304,100,62,72;709/227,249,223,236;370/400,402,902,907,813,913;398/118,1.

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DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

L1   dock\$3 same (port near10 (media or medium or disk or disc))

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### Search Results -

Terms	Documents
L1 and L3	38

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L4   11 and L3

L3   710/1,104,105,303,304,100,62,72;709/227,249,223,236;370/400,402,902,907,813,913;398/118,1.

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L2   L1

*DB=PGPB,USPT,USOC; PLUR=YES; OP=OR*

L1   dock\$3 same (port near10 (media or medium or disk or disc))

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EAST - [Untitled1:1]

FileViewEditToolsWindowHelp

Drafts

Pending

Active

L1: (9) dock\$3 near10 (port

Failed

Saved

Favorites

Tagged (0)

UDC

Queue

Trash

SearchListBrowseQueueClean

DBsUSPAT

Default operator: OR

Plurals

Highlight all hit terms initially

BRS form

ISR form

Image

Text

HTML

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Err
1	BRS	L1	9	dock\$3 near10 (port near5 (media or medium))	USPAT	2005/01/25 15:15			

StartEAST - [Untitled1:1]

EAST - [Untitled1:1]

File

View

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Tools

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Help

Drafts

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Active

Failed

Saved

Favorites

Tagged (0)

UDC

Queue

Trash

Search

List

Browse

Queue

Clear

DBs

USPAT

Default operator:

OR

Plurals

Highlight all hit terms initially

dock\$3 near10 (port near5 (media or medium))

BRS form

IS&R form

Image

Text

HTML

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	R
1	<input type="checkbox"/>	<input type="checkbox"/>	US 6830160 B2	20041214	6	Multi-media vending machine with digital docking station	221/3	705/14	
2	<input type="checkbox"/>	<input type="checkbox"/>	US 6767253 B1	20040727	9	Media-component docking system	439/638		
3	<input type="checkbox"/>	<input type="checkbox"/>	US 6725310 B2	20040420	10	Scalable docking architecture to support	710/303	710/100; 710/109;	
4	<input type="checkbox"/>	<input type="checkbox"/>	US 6549416 B2	20030415	11	Portable computer docking station with protected	361/727	361/683; 361/726;	
5	<input type="checkbox"/>	<input type="checkbox"/>	US 6392692 B1	20020521	32	Network communication techniques for security	348/143	340/506; 455/431	
6	<input type="checkbox"/>	<input type="checkbox"/>	US 6178474 B1	20010123	22	Media connect module for portable computer	710/303	439/131; 439/638;	
7	<input type="checkbox"/>	<input type="checkbox"/>	US 5572442 A	19961105	17	System for distributing subscription and on-demand	709/219	455/3.04	
8	<input type="checkbox"/>	<input type="checkbox"/>	US 5557541 A	19960917	16	Apparatus for distributing subscription and on-demand	700/94	360/15; 709/219;	
9	<input type="checkbox"/>	<input type="checkbox"/>	US 4748124 A	19880531	7	Compartmentalized cell-culture device and	435/401	435/297.1; 435/818	

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**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**1 Experimental study of airflow and particle characteristics of a 300-nm POUF/LPU minienvironment system***Shih-Cheng Hu; Tzong-Ming Wu;*

Semiconductor Manufacturing, IEEE Transactions on , Volume: 16 , Issue: 4 , 2003

Pages:660 - 667

[\[Abstract\]](#) [\[PDF Full-Text \(481 KB\)\]](#) **IEEE JNL**
**2 Object model creation from multiple range images: acquisition, calibration, model building and verification***Beraldin, J.-A.; Cournoyer, L.; Rioux, M.; Blais, F.; El-Hakim, S.F.; Godin, G.;*

3-D Digital Imaging and Modeling, 1997. Proceedings., International Conference Recent Advances in , 12-15 May 1997

Pages:326 - 333

[\[Abstract\]](#) [\[PDF Full-Text \(1212 KB\)\]](#) **IEEE CNF**
**3 Planning and design of floating berths for passenger-only ferry terminal***Joque, D.T.; Yang, F.L.; Demich, L.R.;*

OCEANS '99 MTS/IEEE. Riding the Crest into the 21st Century , Volume: 2 , 1 Sept. 1999

Pages:848 - 861 vol.2

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## Object model creation from multiple range images: acquisition, calibration, model building and verification

Beraldin, J.-A. · Cournoyer, L. Rioux, M. Blais, F. El-Hakim, S.F. Godin, G.

Inst. for Inf. Technol., Nat. Res. Council of Canada, Ottawa, Ont., Canada;

*This paper appears in: 3-D Digital Imaging and Modeling, 1997. Proceedings of the International Conference on Recent Advances in*

Meeting Date: 05/12/1997 - 05/15/1997

Publication Date: 12-15 May 1997

Location: Ottawa, Ont. Canada

On page(s): 326 - 333

Reference Cited: 12

Number of Pages: x+353

Inspec Accession Number: 5596210

### Abstract:

This paper demonstrates the accuracy of a prototype Laser Range Camera (LRC) developed at the National Research Council of Canada for the creation of model objects. A laser survey performed in collaboration with the Canadian Space Agency (CSA) and NASA is used as a test case. The object selected for this particular test case is the **Docking System (ODS)** located at the Kennedy Space Center, Florida. During the survey, 128 range (and registered intensity) images were acquired all around the ODS. These images were then **processed** in our laboratory. A full model of the top of the ODS was created along with an almost complete model of the ODS. The ODS has a diameter of 1.6 m and a height of 3.9 m. Targets mounted on the top **portion** of the ODS were used to assess the accuracy of the calibration and of the image registration **process**. These targets were measured with a network of theodolites a day prior to the laser survey and used as a reference. With the current calibration and range registration techniques, an accuracy better than 0.25 mm in X and Y, and, 0.5 mm in Z was achieved. These results compare favorably with the single point accuracy after calibration, i.e., about 0.25 mm in X and Y, and, 0.50 mm in Z. These findings should testify on the usefulness of a LRC for accurate model building.

### Index Terms:

[calibration](#) [image registration](#) [solid modelling](#) [virtual reality](#) [calibration](#) [image registration](#) [process](#) [laser survey](#) [model building](#) [multiple range images](#) [object model creation](#) [docking system](#) [prototype laser range camera](#) [single point accuracy](#) [theodolites](#)

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L4: Entry 2 of 38

File: PGPB

Jul 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040148445

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040148445 A1

TITLE: Docking station for portable computer

PUBLICATION-DATE: July 29, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lee, Cheon-Moo	Suwon city		KR	
Lee, Il-Han	Seoul city		KR	

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	COUNTRY	TYPE CODE
SAMSUNG ELECTRONIC CO., LTD.	Suwon-city		KR	03

APPL-NO: 10/ 679320 [PALM]

DATE FILED: October 7, 2003

## FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	DOC-ID	APPL-DATE
KR	2003-4884	2003KR-2003-4884	January 24, 2003

INT-CL: [07] G06 F 13/12

US-CL-PUBLISHED: 710/072

US-CL-CURRENT: 710/72

REPRESENTATIVE-FIGURES: 2

## ABSTRACT:

A network connection state can be conveniently changed to a wired or a wireless connection state according to whether a portable computer body is attached to a docking station including an Access Point part or not.

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L4: Entry 12 of 38

File: USPT

Jan 23, 2001

US-PAT-NO: 6178474

DOCUMENT-IDENTIFIER: US 6178474 B1

TITLE: Media connect module for portable computer

DATE-ISSUED: January 23, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hamano; Takeshi	San Jose	CA		
Sathe; Samir	Sunnyvale	CA		
Pillai; Manu	San Jose	CA		
Kim; Darren	Oakland	CA		
Yamada; Isamu	San Jose	CA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Fujitsu Limited				JP	03

APPL-NO: 09/ 093526 [\[PALM\]](#)

DATE FILED: June 8, 1998

INT-CL: [07] [G06](#) [F](#) [13/00](#)

US-CL-ISSUED: 710/101; 710/62, 710/106, 710/129, 710/2, 439/638, 439/131

US-CL-CURRENT: [710/303](#); [439/131](#), [439/638](#), [710/106](#), [710/2](#), [710/300](#), [710/62](#)

FIELD-OF-SEARCH: 710/100, 710/2, 710/62, 710/101, 710/102, 710/103, 710/129, 710/128, 710/73, 710/106, 710/11, 710/72, 439/638, 439/502, 439/629, 439/131, 361/683

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<a href="#">5687387</a>	November 1997	Endejan et al.	710/2
<input type="checkbox"/>	<a href="#">5736727</a>	April 1998	Nakata et al.	235/487
<input type="checkbox"/>	<a href="#">5805833</a>	September 1998	Verdum	710/101
<input type="checkbox"/>	<a href="#">5954827</a>	September 1999	Frank et al.	714/48

ART-UNIT: 271

PRIMARY-EXAMINER: Etienne; Ario

ATTY-AGENT-FIRM: Coudert Brothers

ABSTRACT:

A module which may be connected to an I/O port of a notebook computer to provide an enhancement to the number of connectivity options available to a user of the computer. The module houses a set of connectors, some or all of which may be specialized ones not normally found on the computer. The connectors are electrically connected to an I/O port of the computer by a flexible cable that allows the module to be easily positioned or re-positioned by the user. The flexibility of the connection allows the user to easily satisfy the line of sight requirement when using the infrared port for data transmission.

41 Claims, 20 Drawing figures

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L4: Entry 37 of 38

File: USPT

Jan 30, 1996

US-PAT-NO: 5488572

DOCUMENT-IDENTIFIER: US 5488572 A

TITLE: Portable computer system for docking to an expansion base unit

DATE-ISSUED: January 30, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Belmont; Brian V.	Houston	TX		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Compaq Computer Corp.	Houston	TX			02

APPL-NO: 08/ 237778 [\[PALM\]](#)

DATE FILED: May 4, 1994

INT-CL: [06] [G06](#) [F](#) [13/14](#)

US-CL-ISSUED: 364/514R; 364/708.1, 395/325, 395/882, 395/306, 361/683, 361/686, 360/99.06, 439/374, 439/296

US-CL-CURRENT: [710/62](#); [360/99.06](#), [361/683](#), [361/686](#), [439/296](#), [439/374](#), [710/303](#)

FIELD-OF-SEARCH: 364/514, 364/708.1, 395/500, 395/800, 395/275, 395/325, 361/683, 361/681, 361/686, 360/69, 360/99.06, 439/374, 439/296

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

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<input type="checkbox"/>	<a href="#">4769764</a>	September 1988	Levanon	364/708
<input type="checkbox"/>	<a href="#">4894792</a>	January 1990	Mitchell et al.	364/708
<input type="checkbox"/>	<a href="#">4903222</a>	February 1990	Carter et al.	364/708
<input type="checkbox"/>	<a href="#">5030128</a>	July 1991	Herron et al.	439/372
<input type="checkbox"/>	<a href="#">5175671</a>	December 1992	Sasaki	361/392
<input type="checkbox"/>	<a href="#">5182687</a>	January 1993	Campbell et al.	360/92
<input type="checkbox"/>	<a href="#">5187645</a>	February 1993	Spalding et al.	361/393

<input type="checkbox"/>	<u>5212605</u>	May 1993	Lim et al.	360/99.06
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<input type="checkbox"/>	<u>5257387</u>	October 1993	Richek et al.	395/800
<input type="checkbox"/>	<u>5260925</u>	November 1993	Camps et al.	369/77.1
<input type="checkbox"/>	<u>5264992</u>	November 1993	Hogdahl et al.	367/681
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<input type="checkbox"/>	<u>5299322</u>	March 1994	Arai et al.	395/275
<input type="checkbox"/>	<u>5310358</u>	May 1994	Johnson et al.	439/358
<input type="checkbox"/>	<u>5313596</u>	May 1994	Swindler et al.	395/325
<input type="checkbox"/>	<u>5323291</u>	June 1994	Boyle et al.	361/683
<input type="checkbox"/>	<u>5347425</u>	September 1994	Herron et al.	361/683
<input type="checkbox"/>	<u>5377357</u>	December 1994	Nishigaki et al.	395/800
<input type="checkbox"/>	<u>5394552</u>	February 1995	Shirota	395/750

## OTHER PUBLICATIONS

Smart Station, Installation & Operations Guide, Compaq Computer Corp., pp. 4-1 to 4-21, 5-6 to 5.varies.12 (1994).

ART-UNIT: 244

PRIMARY-EXAMINER: Ramirez; Ellis B.

ASSISTANT-EXAMINER: Assouad; Patrick J.

ATTY-AGENT-FIRM: Pravel, Hewitt, Kimball & Krieger

## ABSTRACT:

A notebook computer system for docking to a motorized expansion base unit. Before the actual docking event occurs, the notebook computer system communicates with the expansion base unit via a sense signal, which is provided by the notebook computer to indicate the power state of the notebook computer. If the expansion base unit determines that the notebook computer is in a proper state for docking, it activates its motor to load the notebook computer. Once docked, the notebook computer runs a resource conflict check routine to determine if resource conflicts occur. A fatal conflict occurs when the resource requirements of bus devices connected to the expansion base unit conflict with the resource requirements of a video controller or hard disk drive connected to the notebook computer. When such a fatal conflict occurs, the notebook computer issues a software eject request to expansion base unit. In response, the expansion base unit undocks the notebook computer. A non-fatal conflict occurs when the resource requirements of the expansion base unit devices conflict with the resource requirements of PCMCIA cards inserted into the PCMCIA slots of the notebook computer. Unlike the case of a fatal conflict, the notebook computer responds to a non-fatal conflict by disabling the offending devices in the expansion base unit.

16 Claims, 22 Drawing figures

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US006767253B1

(12) **United States Patent**  
Werner et al.

(10) Patent No.: **US 6,767,253 B1**  
(45) Date of Patent: **Jul. 27, 2004**

(54) **MEDIA-COMPONENT DOCKING SYSTEM**

(75) Inventors: Shane Robert Werner, Olathe, KS  
(US); Benjamin James Parker,  
Overland Park, KS (US); Eric Michael  
Bloomcamp, Olathe, KS (US); Nolan  
Christian Anbrecht, Overland Park,  
KS (US)

(73) Assignee: Sprint Communications Company  
L.P., Overland Park, KS (US)

(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

(21) Appl. No.: 10/289,030

(22) Filed: Nov. 6, 2002

(51) Int. Cl. H01R 25/00

(52) U.S. Cl. 439/638

(58) Field of Search 439/638, 650,  
439/651, 652, 653, 654; 361/663, 686

(56) References Cited

U.S. PATENT DOCUMENTS

5,030,128 A • 7/1991 Hanna et al. 439/372

5,490,547 A • 10/1995 Behl et al. 439/638  
5,569,052 A • 10/1996 Behl et al. 439/638  
5,604,663 A • 2/1997 Shin et al. 361/686  
5,699,226 A • 12/1997 Cervello 361/686  
6,034,869 A • 3/2000 Lin 361/686  
6,061,234 A • 5/2000 Broder et al. 361/686  
6,083,038 A • 7/2000 Chen et al. 439/131  
6,133,141 B1 • 5/2001 Lee et al. 361/683

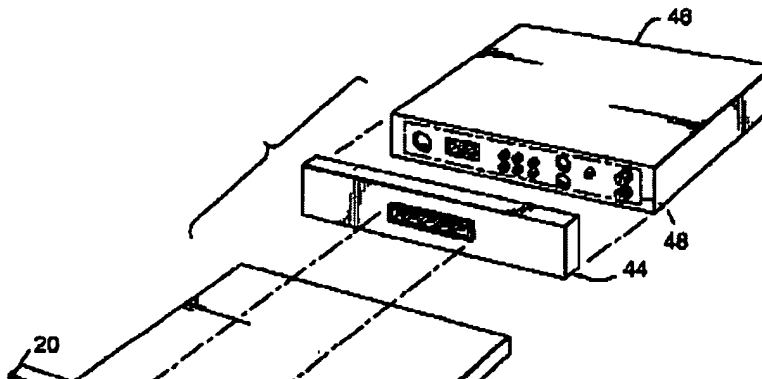
\* cited by examiner

Primary Examiner—Tulsidas C. Patel

(57) **ABSTRACT**

A media docking station and is provided. A detachable media-content-receiving receiving component (MCRC) includes a connector that mates with a connection port of a docking base. The connection port operationally receives the connector. The docking base is equipped with a plurality of communications ports for communicating media content to a receiving device inputted thorough said communications ports. In an alternative embodiment, an adapter is provided for mating a conventional MCRC with a base member.

37 Claims, 3 Drawing Sheets







US006725310B2

**(12) United States Patent**  
Shoobe et al.**(10) Patent No.: US 6,725,310 B2**  
**(45) Date of Patent: Apr. 20, 2004****(54) SCALABLE DOCKING ARCHITECTURE TO SUPPORT VARIOUS BANDWIDTH****(75) Inventors:** Howard A. Shoobe, Austin, TX (US);  
LaVaughn F. Watts, Jr., Austin, TX (US); James Leftwich, Austin, TX (US)**(73) Assignee:** Dell Products L.P., Round Rock, TX (US)**(\*) Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 452 days.**(21) Appl. No.:** 09/771,047**(22) Filed:** Jan. 26, 2001**(65) Prior Publication Data**

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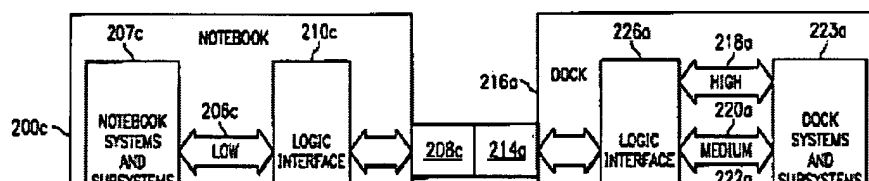
**(51) Int. Cl.<sup>7</sup>** ..... G06F 13/00**(52) U.S. Cl.** ..... 710/303; 710/100; 710/109;  
710/11; 710/62; 713/322**(58) Field of Search** ..... 710/303, 11, 62,  
710/100, 109; 713/322**(56) References Cited****U.S. PATENT DOCUMENTS**5,504,757 A • 4/1996 Cook et al. .... 370/468  
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**Primary Examiner**—Gopal C. Ray**Assistant Examiner**—Justin King**(74) Attorney, Agent, or Firm**—Haynes and Boone, LLP**(57) ABSTRACT**

Customer requirements for portable computers are grouped into logical functional groupings, which are further grouped into logical bandwidth levels. On the notebook side, all required signals for a specific logical functional grouping are combined into a single carrier with the necessary bandwidth for the signals within the logical bandwidth level. This combined signal is then passed through a docking connector. The individual signals are regenerated on the docking solution side of the connector. Logic on both the notebook and docking solution sides of the connector enables the respective devices to identify which carrier bandwidths are supported on both sides of the docking connector and settle on the greatest common denominator. Additionally, the signals combined into the carrier can be programmed, in which case the docking solution and the notebook negotiate the features that are and are not supported in each individual case.

26 Claims, 4 Drawing Sheets





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(12) **United States Patent**  
Hamano et al.

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(54) **MEDIA CONNECT MODULE FOR PORTABLE COMPUTER**

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(58) Field of Search 710/100, 2, 62, 710/101, 102, 103, 129, 128, 73, 106, 11, 72; 439/638, 502, 629, 131; 361/683

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(57) **ABSTRACT**

A module which may be connected to an I/O port of a notebook computer to provide an enhancement to the number of connectivity options available to a user of the computer. The module houses a set of connectors, some or all of which may be specialized ones not normally found on the computer. The connectors are electrically connected to an I/O port of the computer by a flexible cable that allows the module to be easily positioned or re-positioned by the user. The flexibility of the connection allows the user to easily satisfy the line of sight requirement when using the infrared port for data transmission.

41 Claims, 15 Drawing Sheets

